

Whitehorse Yukon
July 26th. 1956.

APP VI

103 B

CAPS

EXAMINATION REPORT ON

Report on

THE LIARD RIVER CLAIM GROUPS

103 B

007564

In December 1955, two groups of ~~claims~~ ^{claims} were staked ~~in this area~~, one of 34 claims at the head of Old Gold Creek and the other of 32 claims on Quartz Creek 8 miles ~~to the East~~.

These creeks enter the Liard River approximately 150 miles East of Whitehorse at Lat 61 55' north.

The area is accessible by float plane to Wasson Lake then by trail for 10 to 15 miles.

The purpose of this investigation was to survey the claims by chain and compass transit, to prospect, map and tag them, ^{and} to determine whether ~~these claims justify~~ ^{as justified} additional work ~~on them~~. The area was visited from June 30th to July 21st, 1956.

~~It is recommended that~~ ^{and} ~~no further work be done on these claim groups.~~ ^{is recommended} No sulphide mineralization was found ~~on the claims~~. It is now believed that the Newmont copper showing is associated with quartz veins in a volcanic formation - no such formation occurs on ~~these claim groups~~ nor are they on strike of any known mineralization. ~~Overburden and large fractions arising, due to poor staking are an additional factor.~~

GEOLOGY -

The major rock types ^{underlying} ~~covered by~~ the two groups are shales and sandstones, in a folded system of shallow pitching synclines and anticlines striking S 50 - 60° E and pitching to the East at 5 - 10°.

Sandstone beds are limited mainly to the south of the groups and in some outcrops are Ferruginous.

The shales, of grey black color and slightly graphitic composition, ^{lie} ~~are~~ in intensely folded and fractured synclines and anticlines. The folding has been accompanied by injection of low temperature, coarse grained quartz veins with a high percentage of calcite and ferrocaltite, into the fractures and drag folds, ^{opened} ~~opened~~ during folding. The folding and fracturing becomes more intense to the north. ~~In no place were sulphides~~ ^{observed} observed in these veins.

THE NEWMONT SHOWING :- ^{to} the north, these shales are reported to be overlain by a series of banded volcanic beds. ~~Andersitic to Rhyolitic in composition dipping 70° N, striking 60° SE~~ ^{which} ~~It is between this series that the copper mineralization, in quartz veins, was discovered.~~

^{=VOLCANIC} This capping ~~has~~ resulted in a very rugged mountain chain - in contrast to the rounded hills of the sediments.

The mineralized zone has been traced over several thousand feet and apparently dips steeply to the south. Information ~~would indicate~~ that

10 CB

mineralization is irregular, ~~however better results were reported from trenching.~~

To the North, beyond the Newmont showing the rocks are reported to be granitic.

GENERAL FEATURES OF THE PROSPECTORS AIRWAYS CLAIM GROUPS

A high proportion of ~~the~~ ground staked is covered by overburden, both groups being staked along creek valleys. Minor float containing chalcopryrite mineralization was discovered in the creeks on both groups - the most interesting being 4 or 5 boulders on Tac #22 ~~located on map - however this mineralization is in massive even medium grained quartz boulders, which are generally well rounded. No quartz veins of this medium grained character were located on the property or in the vicinity.~~

A large fraction of 800' was disclosed between the two location lines of the Tac group

OTHER SHOWINGS IN THE AREA -

An additional showing is ^{reported} ~~believed to be located~~ at the head of Rainbow Creek ^{its description as} ~~Its description indicated float,~~ of quartz-chalcopyrite ^{boulders} ~~boulders, the boulders being quite large in size.~~ Eight claims were staked by R. Greenway and C. Charlton of Watson Lake, now in the employ of Newmont. So far no option has been taken on this group although Newmont geologists have seen the showing.

Conwest, who have 208 claims in the area, report no discoveries of mineralization in the immediate vicinity and are reported to be leaving the area.

Sgd " B R Thompson "

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Note

SUBSEQUENT DIAMOND DRILLING ON THE
NEWMONT CLAIMS, PROVED DISSAPPOINTING AND
BY THAT COMPANY NONE IN THE
AREA HAS CEASED